ABSTRACT

An apparatus and method for converting databases and software source code from one or more languages or formats to one or more differing target languages or formats by a process of identifying within the original software various functions, storing in a common database format the varying functions resolved into their most basic elements, and based on the stored elements and their interrelationships, writing new target software using one or more templates which incorporate the business logic of the original software by integrating the stored elements and interrelationships. The templates incorporate a unique algorithmic template language which is understood by the constructor and which is easily modified by the user. The language includes, variables, functions and advanced controls such as conditional processing and looping.